

IN THE CLAIMS:

Please cancel Claims 1-3, 5-8, 10-17, and 19-21, without prejudice or disclaimer of subject matter, and add new Claims 22-39 as follows (a complete listing of all the claims appears below):

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Claims 1-21 (canceled)

Claim 22 (new): A communication system comprising:

a first apparatus in a wireless network;

a second apparatus in a wired network; and

a communication apparatus that is communicable to the first apparatus, and is communicable to the second apparatus,

wherein the communication apparatus includes a first communication unit, a conversion unit, and a second communication unit,

wherein the first communication unit is adapted to receive a first video data encoded by a first encoding system and transmitted from the first apparatus,

wherein the conversion unit is adapted to convert the first video data into a second video data encoded by a second encoding system, and

wherein the second communication unit is adapted to transmit the second video data to the second apparatus.

Claim 23 (new): A communication system according to claim 22, wherein
the first apparatus is a video camera, and
the second apparatus is an apparatus adapted to record the second video data on
a recording medium.

Claim 24 (new): A communication system according to claim 22, wherein
the first apparatus is a video camera, and
the second apparatus is an apparatus adapted to display the second video data.

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Claim 25 (new): A communication apparatus that is communicable to a first
apparatus in a wireless network and is communicable to a second apparatus in a wired network,
the communication apparatus comprising:

a first communication unit adapted to receive a first video data encoded by a
first encoding system and transmitted from the first apparatus;

a conversion unit adapted to convert the first video data into a second video
data encoded by a second encoding system; and

a second communication unit adapted to transmit the second video data to the
second apparatus.

Claim 26 (new): A communication apparatus according to claim 25, wherein
the first apparatus is a video camera, and

the second apparatus is an apparatus adapted to record the second video data on a recording medium.

Claim 27 (new): A communication apparatus according to claim 25, wherein the first apparatus is a video camera, and the second apparatus is an apparatus adapted to display the second video data.

Claim 28 (new): A communication method for a communication apparatus that is communicable to a first apparatus in a wireless network and is communicable to a second apparatus in a wired network, the communication method comprising steps of:

receiving a first video data encoded by a first encoding system and transmitted from the first apparatus;

converting the first video data into a second video data encoded by a second encoding system; and

transmitting the second video data to the second apparatus.

Claim 29 (new): A communication method according to claim 28, wherein the first apparatus is a video camera, and the second apparatus is an apparatus adapted to record the second video data on a recording medium.

Claim 30 (new): A communication method according to claim 28, wherein
the first apparatus is a video camera, and
the second apparatus is an apparatus adapted to display the second video data.

Claim 31 (new): A communication system comprising:

a first apparatus in a wireless network;

a second apparatus in a wired network; and

a communication apparatus that is communicable to the first apparatus and is
communicable to the second apparatus,

wherein the communication apparatus includes a first communication unit, a
conversion unit, and a second communication unit,

wherein the second communication unit is adapted to receive a second video
data encoded by a second encoding system and transmitted from the second apparatus,

wherein the conversion unit is adapted to convert the second video data into a
first video data encoded by a first encoding system, and

wherein the first communication unit is adapted to transmit the first video data
to the first apparatus.

Claim 32 (new): A communication system according to claim 31, wherein

the first apparatus is an apparatus adapted to record the first video ^{data} apparatus on

a recording medium, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 33 (new): A communication system according to claim 31, wherein the first apparatus is an apparatus adapted to display the first video data, and the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 34 (new): A communication apparatus that is communicable to a first apparatus in a wireless network and is communicable to a second apparatus in a wired network, the communication apparatus comprising:

a second communication unit adapted to receive a second video data encoded by a second encoding system and transmitted from the second apparatus;

a conversion unit adapted to convert the second video data into a first video data encoded by a first encoding system; and

a first communication unit adapted to transmit the first video data to the first apparatus.

Claim 35 (new): A communication apparatus according to claim 34, wherein the first apparatus is an apparatus adapted to record the first video data on a recording medium, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 36 (new): A communication apparatus according to claim 34, wherein the first apparatus is an apparatus adapted to display the first video data, and the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

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Claim 37 (new): A communication method for a communication apparatus that is communicable to a first apparatus in a wireless network and is communicable to a second apparatus in a wired network, the communication method comprising steps of:

receiving a second video data encoded by a second encoding system and transmitted from the second apparatus;

converting the second video data into a first video data encoded by a first encoding system; and

transmitting the first video data to the first apparatus.

Claim 38 (new): A communication method according to claim 37, wherein the first apparatus is an apparatus adapted to record the first video data on a recording medium, and

the second apparatus is an apparatus adapted to reproduce the second video

data from a recording medium.

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Claim 39 (new): A communication method according to claim 37, wherein
the first apparatus is an apparatus adapted to display the first video data, and
the second apparatus is an apparatus adapted to reproduce the second video

data from a recording medium.
